

I understand the need for exploration of new broadband delivery mediums, the concept behind BPL is technically flawed and could represent a tremendous danger to the security of our nation in the event of another 9/11 type terrorist act.

BPL utilizes our the existing power grid to deliver broadband data. It accomplishes this by inducing radio frequency energy onto the powerline. This energy is then transmitted by the powerline from point to point.

Unfortunately, this induced radio frequency energy represents a tremendous interference potential to licensed radio services such as military, police, public safety, and amateur radio. It is the very design and concept of BPL that causes potential for interference; that is to say, BPL, by its very nature, must radiate radio frequency energy.

Other alternatives, such as Broadband Wireless Access, provide reasonable alternatives to BPL and present no potential for interference with licensed radio services and therefore no danger to the security of our nation. I strongly urge you to reconsider your support for BPL and ask you to direct the exploration of other methods of broadband delivery.

Amateur radio operators have served the public for decades to provide communications for public service and disaster relief when all other methods of communications have failed. I fear that in the event of another major attack upon our country, or in the case of a natural disaster or other event that impedes or disables our day-to-day communications mediums (police radio, television, broadcast radio, cell phone, etc.) the ability of amateur radio operators to provide critical backup communications would be severely hampered or eliminated by interference caused by the deployment of BPL technology. Current FCC regulations calling for mitigation of BPL interference are neither aggressive enough nor fully technically deployable to the extent required to eliminate the interference potential.

I am a licensed Amateur Radio Operator, K3HRN, and have provided emergency and other public services via Amateur Radio for over 40 years. BPL may not only render those services useless, but also prevent me from fulfilling my obligation to serve in the Public Interest, Convenience or Necessity.

Thom LaCosta
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